



**DISTRIBUTION AND ABUNDANCE OF BARIUM IN THE NONMAGNETIC FRACTION OF HEAVY-MINERAL CONCENTRATES
FROM STREAM SEDIMENTS, SURVEY PASS 1°X3° QUADRANGLE, ALASKA**

By

J.B. Cathrall, T.M. Billings, and E.F. Cooley

1979

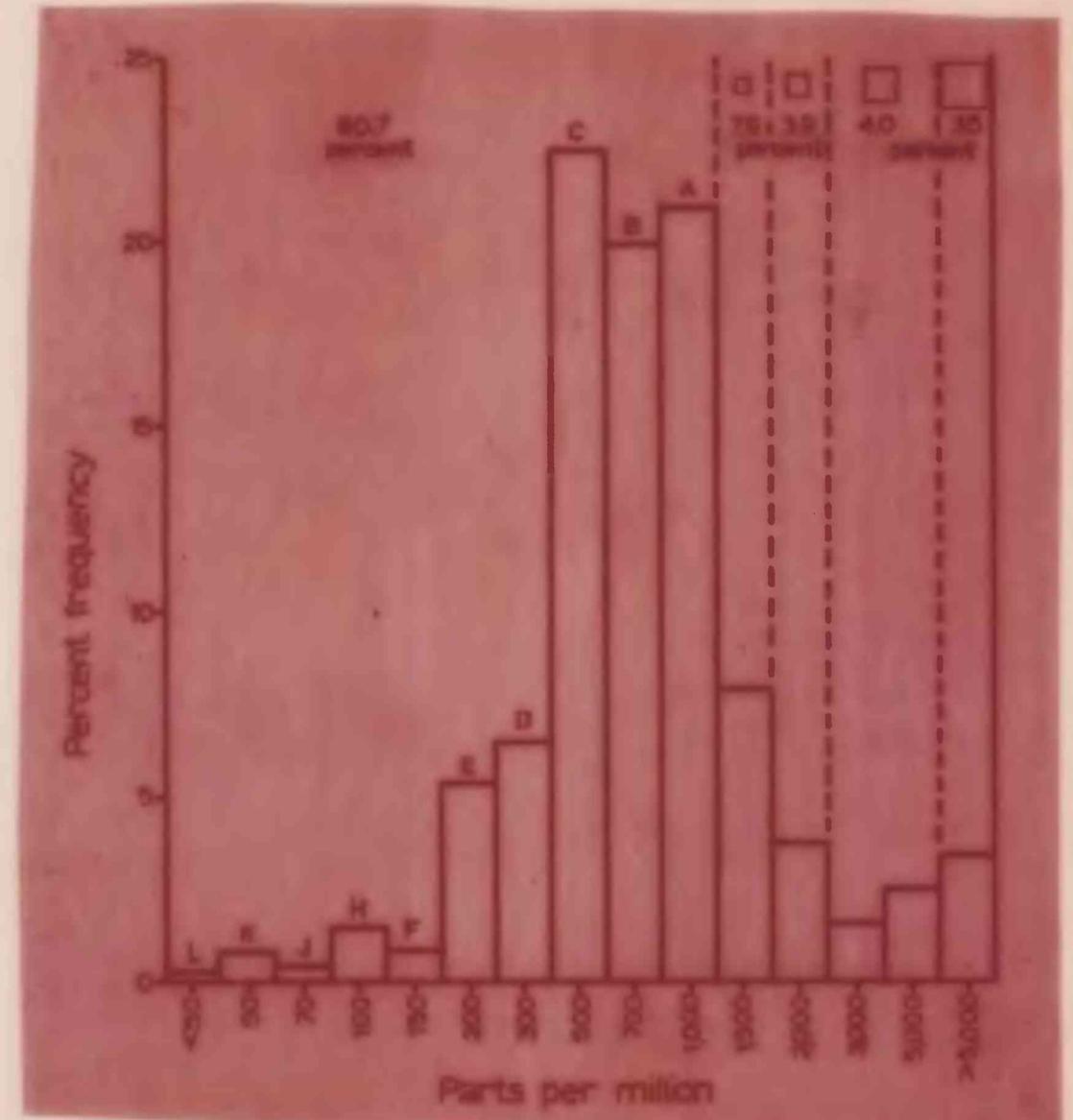


Figure 1.—Histogram for barium in 623 nonmagnetic (at >0.6 ampere) samples of heavy-mineral concentrates from stream sediments, Survey Pass 1° x 3° quadrangle, Alaska, showing map symbols corresponding to anomalous concentrations in parts per million, percentage of total samples, and letters corresponding to non-anomalous concentrations in parts per million. <, detected, but less than value shown; >, greater than value shown. Arithmetic mean, 907; standard deviation, 874; geometric mean, 675; and geometric deviation, 2.2, based on unqualified values within the sample population.

79-837-K

EXPLANATION

BARIUM SAMPLE SITES—Letters and size of symbols are explained on histogram (fig. 1)

- Anomalous
- A Not anomalous

NOTE

This map is one in a series of geochemical maps concerning the Survey Pass 1° x 3° quadrangle, Alaska. For discussion of analyses and sampling see Cathrall and others, 1979.

Cathrall, J. B., Cooley, E. F., McDanal, S. K., and Billings, T. M., 1979, A listing and statistical summary of spectrographic analyses of heavy-mineral concentrates from stream-sediment samples for the Survey Pass quadrangle, Alaska: U.S. Geological Survey Open-File Report 79-837-R.